

Application No. 10/605,210
Response and Amendment dated February 23, 2006
Reply to Office action of August 23, 2005
Docket Number 19427/04260

Amendments to the Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the above-identified application:

Listing of Claims:

1. - 5. (canceled)

6. (presently amended) A projector according to claim 4 comprising:

a directional light source,

a multi-faceted reflective element having a plurality of reflective surfaces and an axis of rotation that passes through first and second sides,

a lens disposed between the directional light source and the multi-faceted reflective element, and an image medium support assembly disposed between the directional light source and the lens,

a first housing enclosing the directional light source, the lens and the image medium support assembly,

a rotation means located substantially inside the multi-faceted reflective element and comprising an electric motor, and one or more gear teeth located on an interior portion of the multi-faceted reflective element and in operable communication with the electric motor, and

a stand supporting the support member projector and having a first bent tubular member which abuts a second similarly shaped bent tubular member, together forming a configuration with a central, double-wide portion and four flared single-wide ends.

7. (presently amended) A projector according to claim 1 comprising:

a directional light source,

a multi-faceted reflective element having a plurality of reflective surfaces and an axis of rotation that passes through first and second sides,

a rotation means located substantially inside the multi-faceted reflective element and comprising an electric motor, and one or more gear teeth located on an interior portion of the multi-faceted reflective element and in operable communication with the electric motor, and

a shield enveloping a portion of the reflective element, whereby, when the projector is in use, a portion of the light reflected from the multi-faceted reflective element is blocked.

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8. (presently amended) A projector ~~according to claim 4~~ comprising:

a directional light source,
a multi-faceted reflective element having a plurality of reflective surfaces and an axis of rotation that passes through first and second sides,

a lens disposed between the directional light source and the multi-faceted reflective element, and an image medium support assembly disposed between the directional light source and the lens,

a first housing enclosing the directional light source, the lens and the image medium support assembly,

a rotation means located substantially inside the multi-faceted reflective element and comprising an electric motor, and one or more gear teeth located on an interior portion of the multi-faceted reflective element and in operable communication with the electric motor, and

a stand supporting the support member projector and having a central hub and three members having similar lengths extending from the hub and about equally spaced around the hub.

9. - 16. (canceled)

17. (presently amended) A rotatable multi-faceted reflective element ~~according to claim 16~~ for use in the projection of reflected light comprising:

a plurality of reflective surfaces;

an axis of rotation that passes through first and second sides,

a rotation means located substantially inside the multi-faceted reflective element and comprising an electric motor, and one or more gear teeth located on an interior portion of the multi-faceted reflective element and in operable communication with the electric motor,

a first spindle and holder assembly, wherein the electric motor is supported by the holder and the spindle extends through one or both of the first and second sides of the multi-faceted reflective element, whereby upon activation of the electric motor, the multi-faceted reflective element may be rotated while the spindle and holder assembly remains stationary,

a bearing between one or both of the first and second sides of the multi-faceted reflective element and the spindle of the spindle and holder assembly,

one or more gears in operable communication with the electric motor, and

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a second spindle and holder assembly, wherein the gears are supported by the second spindle and holder assembly and the spindle of the second spindle and holder assembly extends through one of the first and second sides of the multi-faceted reflective element opposite the side through which the spindle from the first spindle and holder assembly extends.

18. - 22. (canceled)

23. - 34. (cancelled)

35. - 45. (canceled)

46. (presently amended) A projector ~~according to claim 44~~ comprising:

a directional light source,

a multi-faceted reflective element positioned in spaced-apart relation to the directional light source and having a plurality of reflective surfaces and an axis of rotation that passes through first and second sides.

a rotation means located substantially inside the multi-faceted reflective element and comprising an electric motor supported at a point along the axis of rotation between the first and second sides,

a lens disposed between the directional light source and the multi-faceted reflective element, and an image medium support assembly disposed between the directional light source and the lens.

a first housing enclosing the directional light source and the lens.

a stand supporting the ~~support member~~ projector and having a first bent tubular member which abuts a second similarly shaped bent tubular member, together forming a configuration with a central, double-wide portion and four flared single-wide ends.

47. (presently amended) A projector ~~according to claim 41~~ comprising:

a directional light source,

a multi-faceted reflective element positioned in spaced-apart relation to the directional light source and having a plurality of reflective surfaces and an axis of rotation that passes through first and second sides,

a rotation means located substantially inside the multi-faceted reflective element and

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comprising an electric motor supported at a point along the axis of rotation between the first and second sides, and

a shield enveloping a portion of the reflective element, whereby, when the projector is in use, a portion of the light reflected from the multi-faceted reflective element is blocked.

48. (canceled)

49. (presently amended) A projector ~~according to claim 44~~ comprising:

a directional light source,

a multi-faceted reflective element positioned in spaced-apart relation to the directional light source and having a plurality of reflective surfaces and an axis of rotation that passes through first and second sides,

a rotation means located substantially inside the multi-faceted reflective element and comprising an electric motor supported at a point along the axis of rotation between the first and second sides,

a lens disposed between the directional light source and the multi-faceted reflective element, and an image medium support assembly disposed between the directional light source and the lens,

a first housing enclosing the directional light source and the lens,

a stand supporting the ~~support member~~ projector and having a central hub and three members having similar lengths extending from the hub and about equally spaced around the hub.

50. (canceled)

51. (new) A projector comprising:

a directional light source, a lens, and an image medium support assembly disposed therebetween, all in spaced-apart relation along a light path that extends from the light source through the lens, the image medium support assembly adapted to support and rotate at least one image medium around an axis that is parallel to the light path such that each of a plurality of images formed in the image medium passes in turn through the light path when the image medium is rotated;

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a housing enclosing the directional light source, the image medium support assembly, and the lens;

a multi-faceted reflective element having a plurality of reflective surfaces and disposed opposite from the directional light source, with the lens and the image medium support assembly disposed therebetween;

a shield that partially envelops the multi-faceted reflective element such that when the projector is in use, light that travels along the light path and is reflected from one or more of the plurality of reflective surfaces disposed on the multi-faceted reflective element is partially blocked by the shield; and

a support member attached to the projector and adapted to receive a mounting support.

52. (new) A projector according to claim 51, wherein the multi faceted reflective element is directly in the light path.

53. (new) A projector according to claim 51, wherein the multi faceted reflective element is movable.

54. (new) A projector according to claim 53 wherein the multi-faceted reflective element is rotatable and comprises a rotation means located substantially inside the multi-faceted reflective element and an electric motor supported therein at a point along an axis of rotation that passes through first and second sides of the multi-faceted reflective element.

55. (new) A projector according to claim 51, comprising at least one image medium having, in spaced-apart relation, a plurality of images.

56. (new) A projector according to claim 55, wherein the image medium has a generally circular shape.

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57. (new) A projector according to claim 56, wherein the plurality of images are arcuately spaced around a central point of the image medium.

58. (new) A projector according to claim 51, wherein the housing is formed at least in part of polymeric material.

59. (new) A projector according to claim 51, wherein the housing is formed of two or more sections, each of which section houses one or more of the directional light source, the image medium support assembly, and the lens.

60. (new) A projector according to claim 51, wherein the shield is separate from the housing that encloses the directional light source, the image medium support assembly and the lens.

61. (new) A projector according to claim 51 wherein the mounting support is a stand.

63. (new) A projector according to claim 51 wherein the mounting support is a stake.